

## ABSTRACT OF THE DISCLOSURES

Disclosed is a method of diagnosing the presence of a malignant tumor, including a glioma, in a human subject, which involves detecting overexpression of laminin  $\alpha 4$  subunit protein or laminin  $\alpha 4$ -specific mRNA, compared to the expression level in a normal tissue control. Also disclosed are a method of predicting the recurrence of a malignant tumor in a human subject from whom a malignant tumor has been resected and a method of classifying the grade of a malignant tumor, such as a glial tumor, based on a molecular classification.

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